Summary of Water Conditions
April 1, 2017

March was wetter than average in the north but less wet in the south; as a result statewide precipitation for the month was 90 percent of average. Seasonally the water year was among the wettest with 170 percent statewide at this point. The forecasted water year runoff would make this the 2nd wettest year of record only exceeded by 1983, both for the water year and the April through July forecasted snowmelt runoff. Runner up water years would be 1995 on the Sacramento River system and 1906 on the San Joaquin River, where 1995 and 1969 were almost as wet but 1906 had more snowmelt.

Forecasts of median April through July runoff are expected to be 175 percent of average, just 5 percent less than a month ago. The water year forecast remains the same at 220 percent, an enormous difference from the 100 percent forecast a year ago. In contrast to many recent years, the highest percentages are in the southern Sierra.

Snowpack water content is very high at 160 percent of average statewide compared to 85 percent one year ago. The most recent big snowpack year was 2011 with 170 percent on April 1. However, the southern Sierra pack this year is a little more than in 2011.

Precipitation from October through March is about 170 percent of average statewide compared to 110 percent last year at this time. All regions are well above average this year.

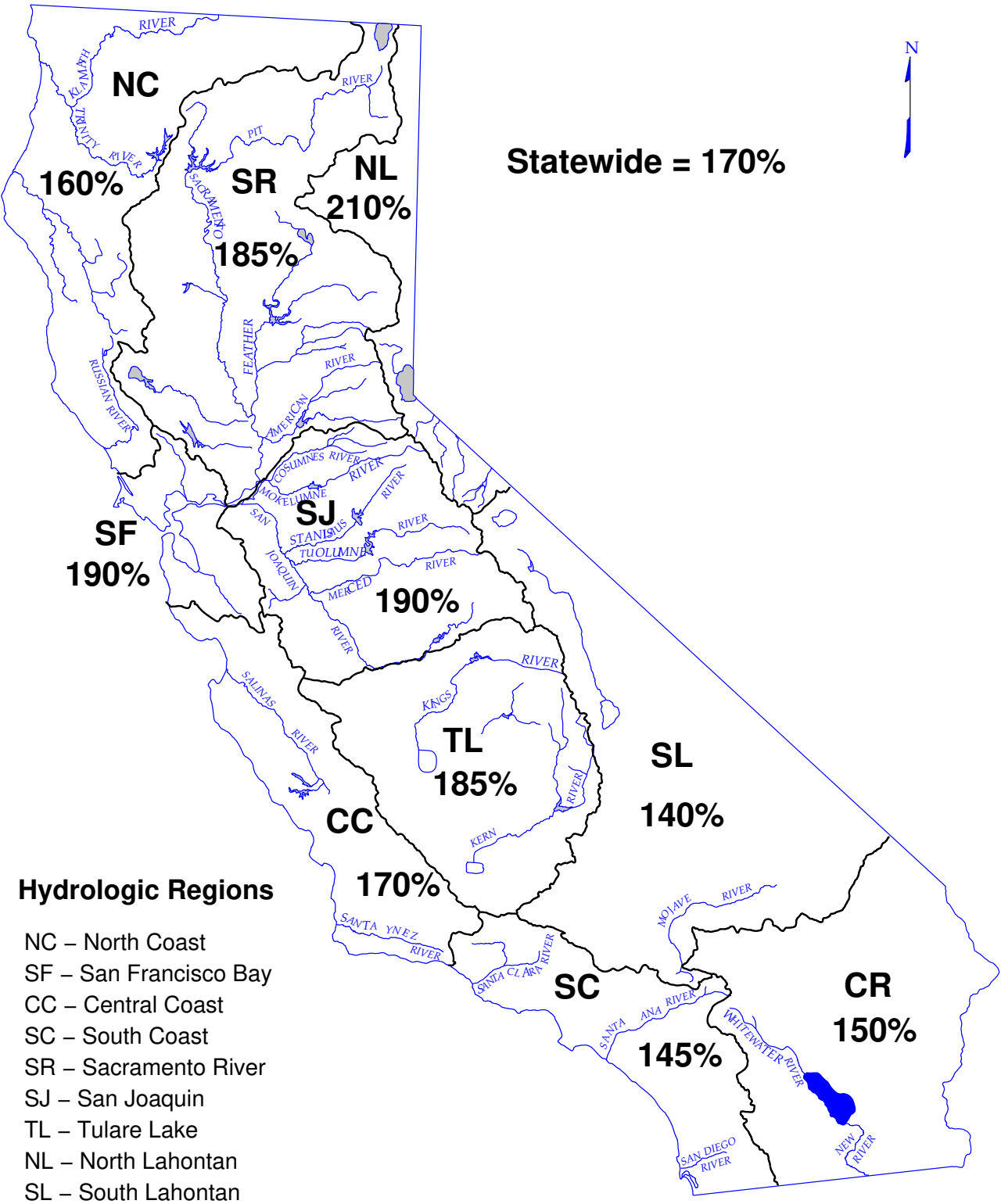
Runoff to date has continued far above average at around 2 ½ times normal for this point in the season compared to 115 percent a year ago. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin River region in March was 5.5 million acre-feet.

Reservoir storage overall did not gain during March because of flood control constraints. Storage is about 115 percent of average for the date, much improved from 85 percent last year .

SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	April 1 SNOW WATER CONTENT	April 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	160	105	115	200	125	170
SAN FRANCISCO BAY	190	--	105	220	--	--
CENTRAL COAST	170	--	95	260	--	--
SOUTH COAST	145	--	95	85	--	--
SACRAMENTO RIVER	185	135	110	245	155	210
SAN JOAQUIN RIVER	190	175	120	350	190	245
TULARE LAKE	185	195	110	280	200	220
NORTH LAHONTAN	210	185	140	345	225	260
SOUTH LAHONTAN	140	210	90	100	215	175
COLORADO RIVER-DESERT	150	--	--	--	--	--
STATEWIDE	170	160	115	240	175	220

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
SEASONAL PRECIPITATION
IN PERCENT OF AVERAGE TO DATE
October 1, 2017 through March 31, 2017

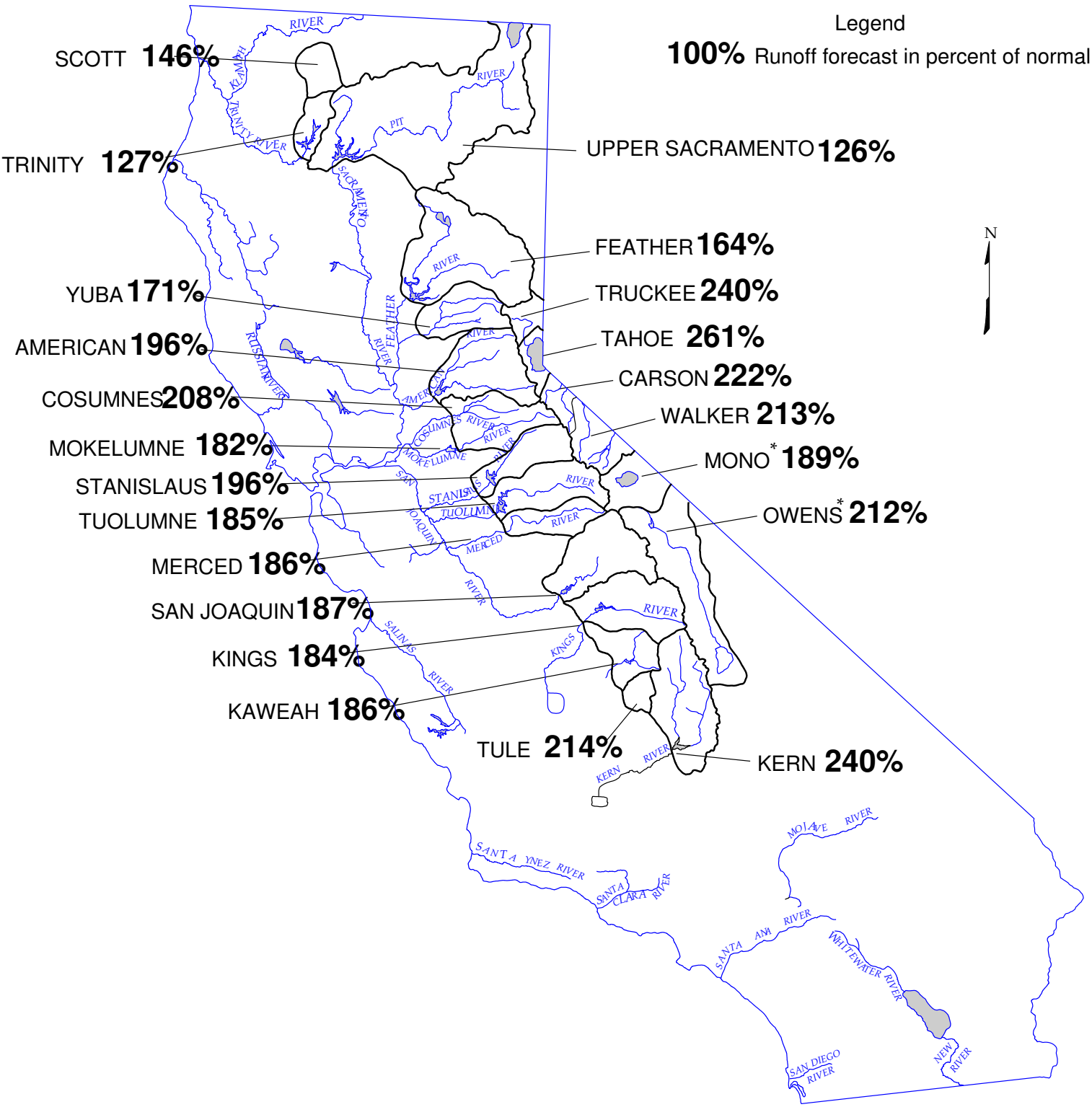


Hydrologic Regions

NC – North Coast
SF – San Francisco Bay
CC – Central Coast
SC – South Coast
SR – Sacramento River
SJ – San Joaquin
TL – Tulare Lake
NL – North Lahontan
SL – South Lahontan
CR – Colorado River–Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
April 1, 2017



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

APRIL 1, 2017 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record (11)	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
North Coast						
Trinity River at Lewiston Lake	639	1,593	80	**810**	127%	680 - 1,030
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	295	751	39	310	105%	
McCloud River above Shasta Lake	385	850	185	460	119%	
Pit River near Montgomery Creek + Squaw Creek	1,020	2,098	480	1,350	132%	
Total Inflow to Shasta Lake	1,756	3,525	711	**2,220**	126%	1,870 - 3,020
Sacramento River above Bend Bridge, near Red Bluff	2,421	5,117	943	**3,020**	125%	2,500 - 4,190
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	510	153%	
North Fork at Pulga (3)	1,028	2,416	243	1,620	158%	
Middle Fork near Clio (4)	86	518	4	140	163%	
South Fork at Ponderosa Dam (3)	110	267	13	180	164%	
Feather River at Oroville	1,704	4,676	378	**2,790**	164%	2,310 - 3,640
Yuba River						
North Yuba below Goodyears Bar	279	647	51	460	165%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	180	161%	
South Yuba at Langs Crossing (3)	233	481	57	360	155%	
Yuba River near Smartsville plus Deer Creek	968	2,424	151	**1,660**	171%	1,390 - 2,060
American River						
North Fork at North Fork Dam (3)	262	716	43	500	191%	
Middle Fork near Auburn (3)	522	1,406	100	1,000	192%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	340	197%	
American River below Folsom Lake	1,199	3,074	185	**2,350**	196%	2,070 - 3,000
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	125	446	8	**260**	208%	215 - 380
Mokelumne River						
North Fork near West Point (5)	437	829	104	760	174%	
Total Inflow to Pardee Reservoir	457	1,076	75	**830**	182%	750 - 980
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	640	192%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	440	196%	
Stanislaus River below Goodwin Reservoir (9)	682	1,710	116	**1,340**	196%	1,210 - 1,620
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	570	181%	
Tuolumne River near Hetch Hetchy	604	1,392	153	1,090	180%	
Tuolumne River below La Grange Reservoir (9)	1,193	2,682	301	**2,210**	185%	2,040 - 2,600
Merced River						
Merced River at Pohono Bridge	372	888	80	680	183%	
Merced River below Merced Falls (9)	623	1,587	104	**1,160**	186%	1,060 - 1,400
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	1,880	183%	
Big Creek below Huntington Lake (8)	91	264	11	175	192%	
South Fork near Florence Lake (7)	201	511	58	370	184%	
San Joaquin River inflow to Millerton Lake	1,228	3,355	193	**2,300**	187%	2,110 - 2,640
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	450	188%	
Kings River below Pine Flat Reservoir	1,210	3,113	208	**2,230**	184%	2,070 - 2,530
Kaweah River below Terminus Reservoir	285	814	42	**530**	186%	470 - 660
Tule River below Lake Success	63	259	1	**135**	214%	115 - 185
Kern River						
Kern River near Kernville	384	1,203	83	900	234%	
Kern River inflow to Lake Isabella	458	1,657	57	**1,100**	240%	1,010 - 1,240

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1966-2015 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81
(7) 50 year average based on years 1953-2002
(8) 50 year average based on years 1946-1995

APRIL 1, 2017 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)

HISTORICAL			DISTRIBUTION									FORECAST		
50 Yr Avg (2)	Max of Record	Min of Record (11)	Oct Thru Jan	Feb *	Mar *	Apr	May	Jun	Jul	Aug	Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
1348	2990	200	608	483	338	265	310	185	50	15	11	**2,265**	168%	2,130 - 2,495
860	1,965	165												
1,183	2,353	557												
3,002	5,150	1,484												
5,831	10,796	2,479	2,948	2,713	1,251	910	670	370	270	235	228	**9,595**	165%	9,160 - 10,565
8,544	17,180	3,294	4,917	3,883	1,811	1,265	910	500	345	295	294	**14,220**	166%	13,570 - 15,620
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,407	9,492	994	2,756	2,920	1,237	1,020	1,020	535	215	127	105	**9,935**	225%	9,405 - 10,860
564	1,056	102												
181	292	30												
379	565	98												
2,268	4,926	369	1,838	1,494	517	535	620	410	95	36	30	**5,575**	246%	5,285 - 6,005
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,626	6,382	349	2,384	1,950	694	725	910	560	155	34	23	**7,435**	283%	7,130 - 8,140
379	1,253	20	415	433	132	125	90	37	8	3	2	**1,245**	328%	1,195 - 1,370
626	1,009	197												
748	1,848	129	424	408	176	195	305	265	65	11	6	**1,855**	248%	1,770 - 2,010
471	929	88												
1,149	2,952	155	669	627	275	325	505	390	120	28	16	**2,955**	257%	2,810 - 3,260
461	1,147	123												
770	1,661	258												
1,909	4,631	383	1,048	829	400	450	700	720	340	75	28	**4,590**	240%	4,390 - 5,090
461	1,020	92												
992	2,787	150	512	487	223	240	395	385	140	35	13	**2,430**	245%	2,320 - 2,710
1,337	2,964	308												
112	298	14												
248	653	71												
1,793	4,642	327	700	530	355	370	715	795	420	135	45	**4,065**	227%	3,830 - 4,460
284	607	58												
1,702	4,287	359	480	384	280	320	680	780	450	120	41	**3,535**	208%	3,360 - 3,860
451	1,402	89	158	163	101	115	175	170	70	20	8	**980**	217%	910 - 1,120
147	615	10	98	106	53	57	49	23	6	2	1	**395**	269%	370 - 450
558	1,577	163												
728	2,318	130	184	228	180	205	360	320	215	80	48	**1,820**	250%	1,710 - 1,980

(9) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne Riv er below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.
(10) Coordinated Forecast by National Weather Service California-Nevada River Forecast Center and Department of Water Resources, State of California
(11) For the tributaries, the period of record over which the minimum values are found does not include years after water y ear 2011.
* Unimpaired runoff in months prior to forecast date are based on measured flows

APRIL 1, 2017 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

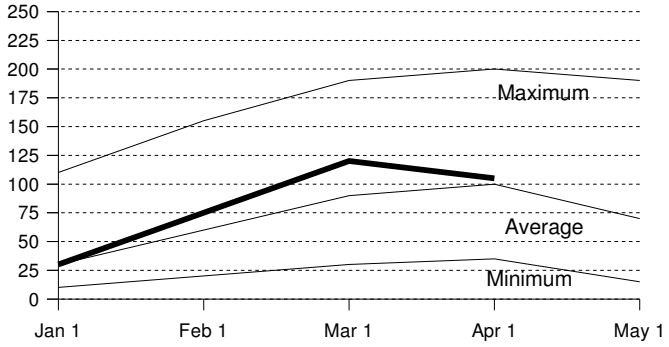
HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	173	398	22	**252**	146%
Klamath River					
Total inflow to Upper Klamath Lake (4)	475	1,150	149	**651**	137%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	250	713	48	**600**	240%
Lake Tahoe Rise (assuming gates closed, ft)	1.3	5.4	0.2	**3.5**	261%
Carson River					
West Fork Carson River at Woodfords	52	135	10	**110**	212%
East Fork Carson River near Gardnerville	182	407	43	**410**	225%
Walker River					
West Walker River below Little Walker, near Coleville	153	330	35	**290**	190%
East Walker River near Bridgeport	61	209	7	**165**	270%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	231	579	84	**490**	212%

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1966-2015 unless otherwise noted
(3) Forecast by National Weather Service California-Nevada River Forecast Center. 30 yr average (1981-2010)
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1981-2010.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1965-2015
.

NORTH COAST REGION

Snowpack Accumulation

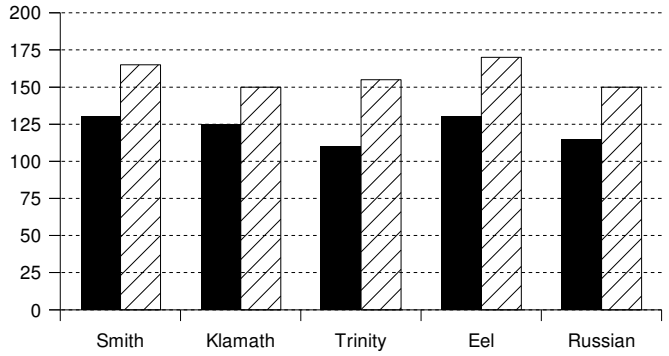
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 11 snow courses indicate an area wide snow water equivalent of 29.9 inches. This is than 105 percent of the April 1 average. Last year at this time the pack was holding 29.9 inches of water.

Precipitation

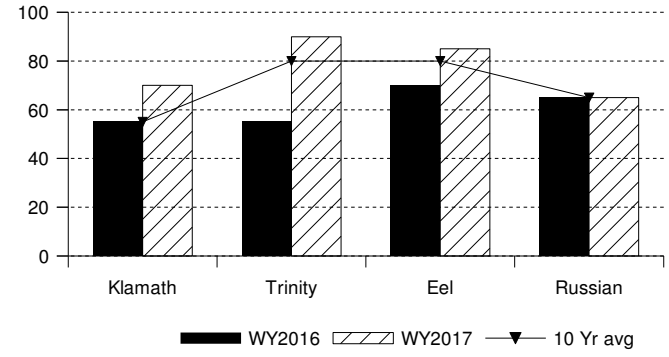
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 160 percent of normal. Precipitation last month was about 130 percent of the monthly average. Seasonal precipitation at this time last year stood at 120 percent of normal.

Reservoir Storage

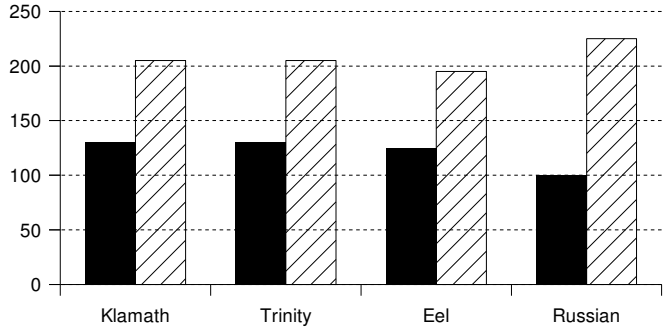
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 2.6 million acre-feet which is 115 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 75 percent of average.

Runoff

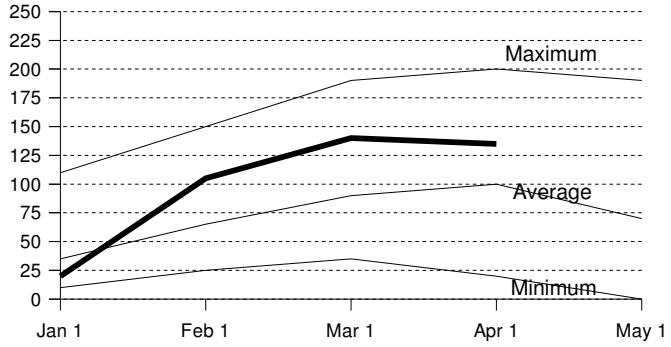
October 1 to date in % of average



RUNOFF -Seasonal runoff of streams draining the area totaled 18.5 million acre-feet which is 200 percent of the average for this period. Last year, runoff for the same period was 125 percent of average.

Snowpack Accumulation

Water Content in % of April 1 Average

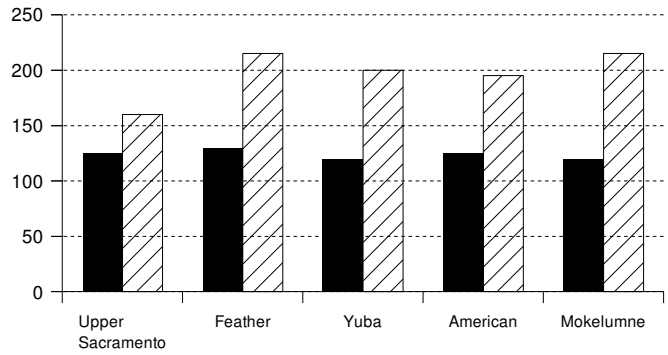


SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 79 snow courses indicate an area wide snow water equivalent of 40.9 inches. This is 135 percent of the April 1 average. Last year at this time the pack was holding 26.8 inches of water.

Precipitation

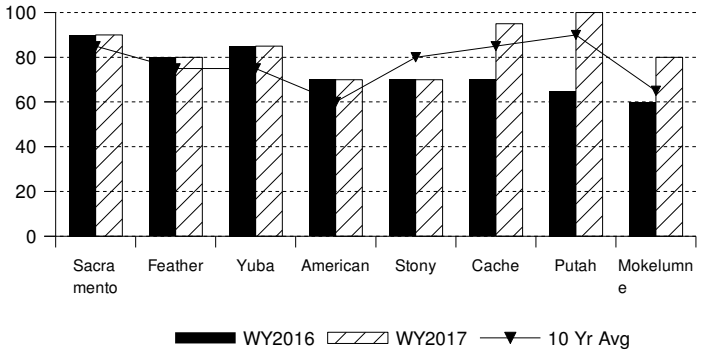
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 185 percent of normal. Precipitation last month was about 105 percent of the monthly average. Seasonal precipitation at this time last year stood at 120 percent of normal.

Reservoir Storage

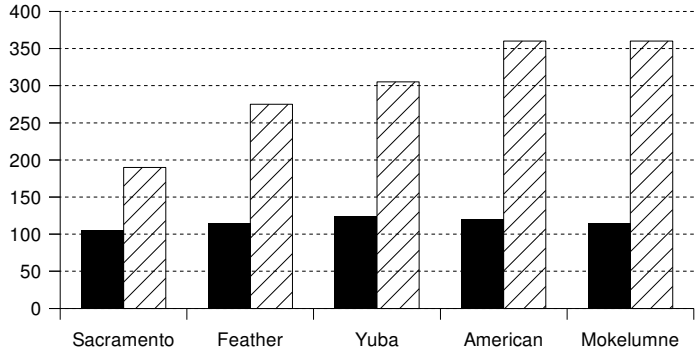
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 13.5 million acre-feet which is 110 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

Runoff

October 1 to date in % of average

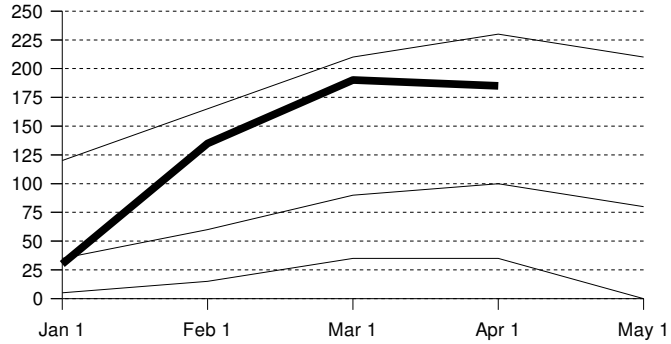


RUNOFF - Seasonal runoff of streams draining the are totaled 26.4 million acre-feet which is 245 percent of average for this period. Last year, runoff for the same period was 110 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 13.9 assuming median meteorological conditions for the remainder of the year. This classifies the year as "wet" in the Sacramento Valley according to the State Water Resources Control Board.

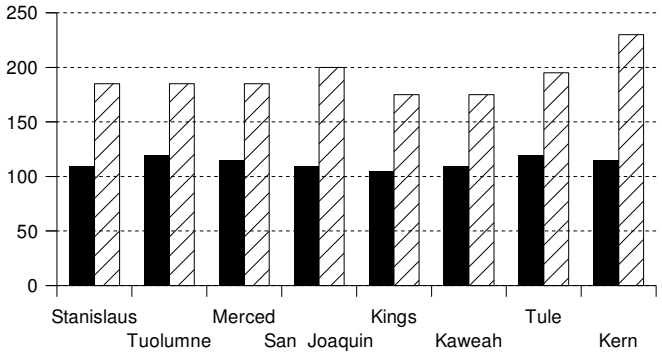
Snowpack Accumulation

Water Content in % of April 1 Average



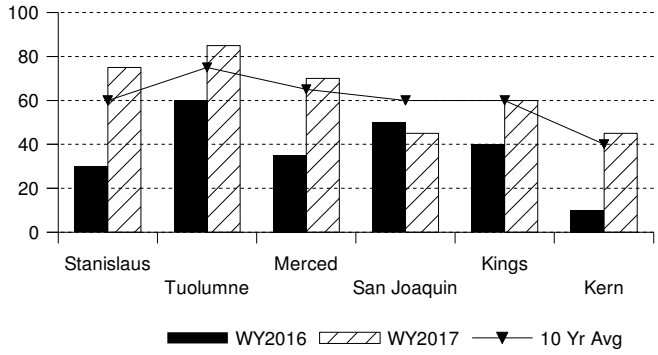
Precipitation

October 1 to date in % of Average



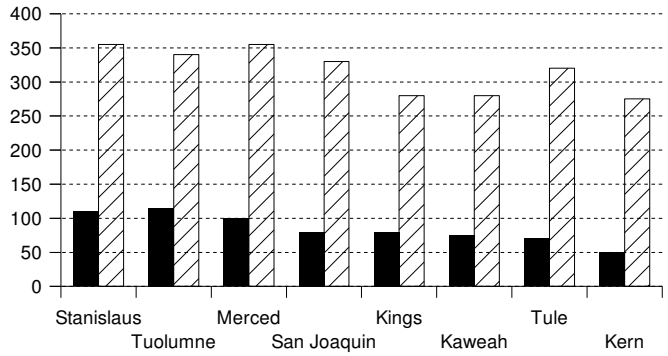
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 70 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 54.9 inches. This is 175 percent of the April 1 average. Last year at this time the pack was holding 26.8 inches of water. At the same time 43 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 45.7 inches which is 195 percent of the average for April 1. Last year at this time the basin was holding 20.1 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 190 percent of normal. Precipitation last month was about 80 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 185 percent of normal. Precipitation last month was about 55 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.

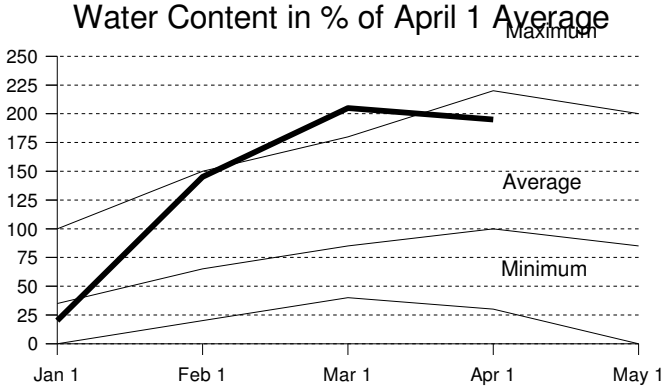
RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 9.0 million acre-feet which is 120 percent of average. About 80 percent of available capacity was being used. Storage in these reservoirs at this time last year was 70 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 1 million acre-feet which is 110 percent of average and about 50 percent of available capacity. Storage in these reservoirs at this time last year was 70 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 8.6 million acre-feet which is 350 percent of average for this period. Last year, runoff for the same period was 105 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 2.5 million acre-feet which is 280 percent of average for this period. Last year runoff for this same period was 70 percent of average.

The **San Joaquin River Region 60-20-20 Water Supply Index** is forecast to be 5.8 assuming 75 percent exceedance meteorological conditions. This classifies the year as "wet" in the San Joaquin Region according to the State Water Resources Control Board.

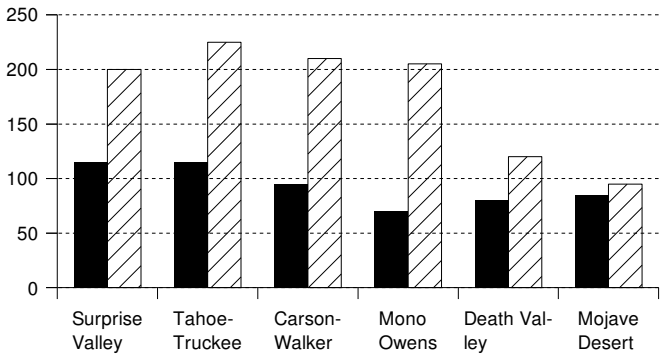
Snowpack Accumulation

Water Content in % of April 1 Average



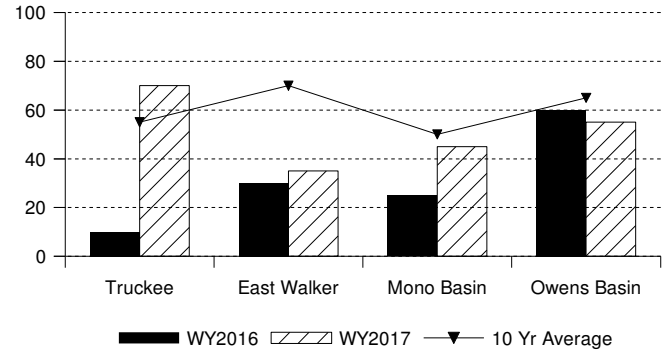
Precipitation

October 1 to date in % of Average



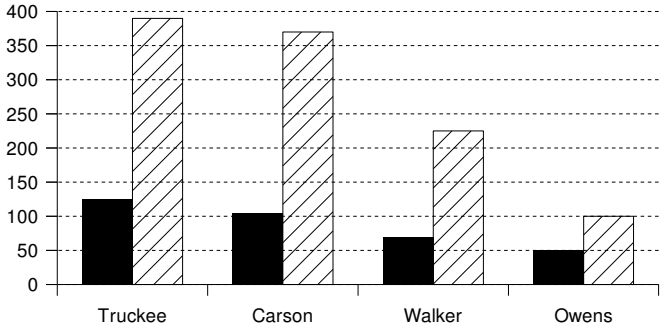
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 17 **North Lahontan snow** courses indicate an area wide snow water equivalent of 48.1 inches. This is 185 percent of the April 1 average. Last year at this time the pack was holding 24.2 inches of water. At the same time 19 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 43.1 inches which is 210 percent of the average for April 1. Last year at this time the basin was holding 15.6 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 210 percent of normal. Precipitation last month was about 135 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.

Seasonal precipitation on the **South Lahontan** was 140 percent of normal. Precipitation last month was 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 75 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 753 thousand acre-feet which is 140 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 20 percent of average. Lake Tahoe was 4.5 feet above its natural rim on April 1.

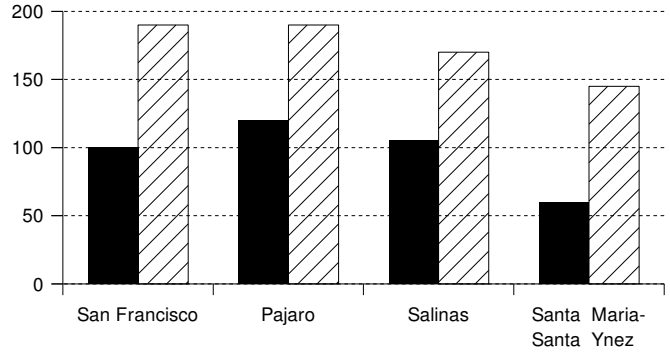
First of the month storage in 8 **South Lahontan** reservoirs was 245 thousand acre-feet which is 90 percent of average and about 60 percent of available capacity. Storage in these reservoirs at this time last year was 90 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 975 thousand acre-feet which is 345 percent of average for this period. Last year, runoff for the same period was 105 percent of average.

Seasonal runoff of the Owens River in the **South Lahontan** totaled 65.6 thousand acre-feet which is 100 percent of average for this period. Last year runoff for this same period was 50 percent of average.

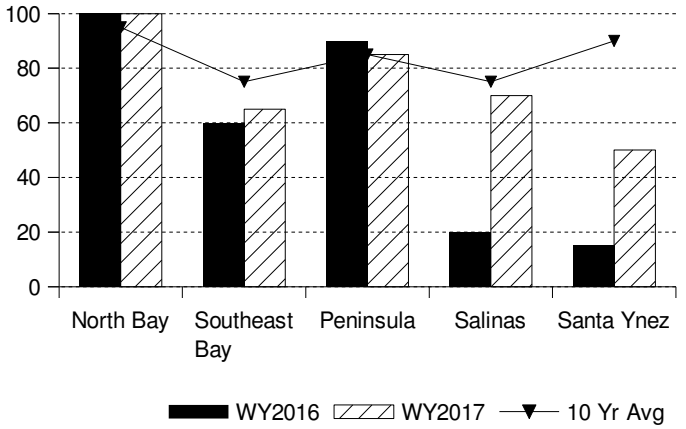
Precipitation

October 1 to date in % of Average



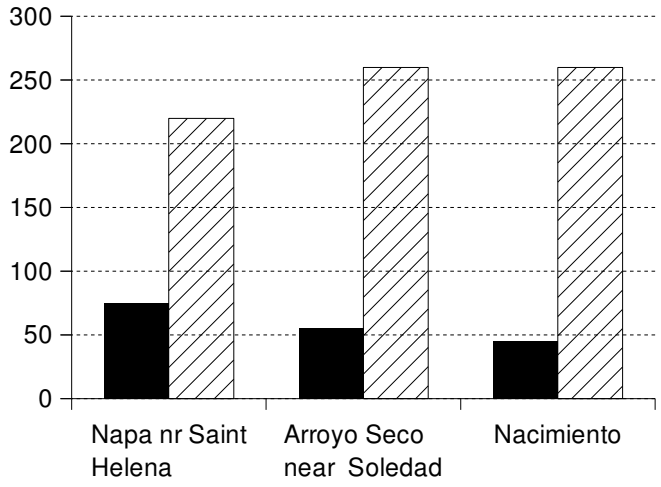
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 190 percent of normal. Precipitation last month was 115 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 170 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 95 percent of normal.

RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 553 thousand acre-feet which is 105 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 668 thousand acre-feet which is 95 percent of average and about 65 percent of available capacity. Storage in these reservoirs at this time last year was 30 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 140 thousand acre-feet which is 220 percent of average for this period. Last year, runoff for the same period was 75 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 721 thousand acre-feet which is 260 percent of average for this period. Last year runoff for this same period was 45 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through March (seasonal) precipitation on the **South Coast Region** is 145 percent of normal. March precipitation was 10 percent of the monthly average. Seasonal precipitation at this time last year was 55 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** is 150 percent of normal. March precipitation was 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of average.

RESERVOIR STORAGE – March 31 storage in 29 major **South Coast Region** reservoirs is 1,422 thousand acre-feet or 95 percent of average. About 65 percent of available capacity is being used. Storage in these reservoirs at this time last year was 70 percent of average.
On March 31 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 24.4 million acre-feet or about 65 percent of average. About 45 percent of available capacity was in use. Last year at this time, these reservoirs were storing 60 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 111 thousand acre-feet which is 85 percent of average. Seasonal runoff from these streams last year was 20 percent of average.

COLORADO RIVER - The April -July inflow to Lake Powell is forecast to be 9.3 million acre-feet, which is 130 percent of average. The April 1 snowpack in the Colorado River basin above Lake Powell is 120 percent, highest in the Duchesne at 160 percent and lowest in the Colorado River Plateaus at 65 percent.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF March 2016 1,000 AF	2017 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,670	3,060	2,681	100%	76%
San Luis Reservoir (SWP)	1,062	958	648	1,052	110%	99%
Lake Del Valle	77	37	39	39	106%	51%
Lake Silverwood	78	68	66	68	101%	87%
Pyramid Lake	180	165	168	166	101%	92%
Castaic Lake	325	286	134	300	105%	92%
Perris Lake	131	106	47	58	55%	44%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,888	1,280	2,177	115%	89%
Lake Shasta	4,552	3,657	4,027	4,031	110%	89%
Whiskeytown Lake	241	213	231	221	104%	92%
Folsom Lake	977	633	691	591	93%	60%
New Melones Reservoir	2,400	1,495	617	1,812	121%	75%
Millerton Lake	520	362	345	204	56%	39%
San Luis Reservoir (CVP)	971	847	411	963	114%	99%
COLORADO RIVER PROJECT						
Lake Mead	26,159	19,077	10,048	10,707	56%	41%
Lake Powell	24,322	16,720	11,019	11,364	68%	47%
Lake Mohave	1,810	1,676	1,703	1,718	102%	95%
Lake Havasu	648	559	569	577	103%	89%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	204	183	194	192	105%	94%
Camanche Reservoir	417	259	184	303	117%	73%
East Bay (4 res.)	159	133	135	135	102%	85%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	163	255	285	175%	79%
Cherry Lake	268	158	156	221	140%	82%
Lake Eleanor	29	14	9	24	174%	82%
South Bay/Peninsula (4 res.)	238	173	162	157	91%	66%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	128	120	111	87%	61%
Grant Lake	48	28	16	31	110%	64%
Other Aqueduct Storage (6 res.)	83	77	69	58	75%	70%

TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2017

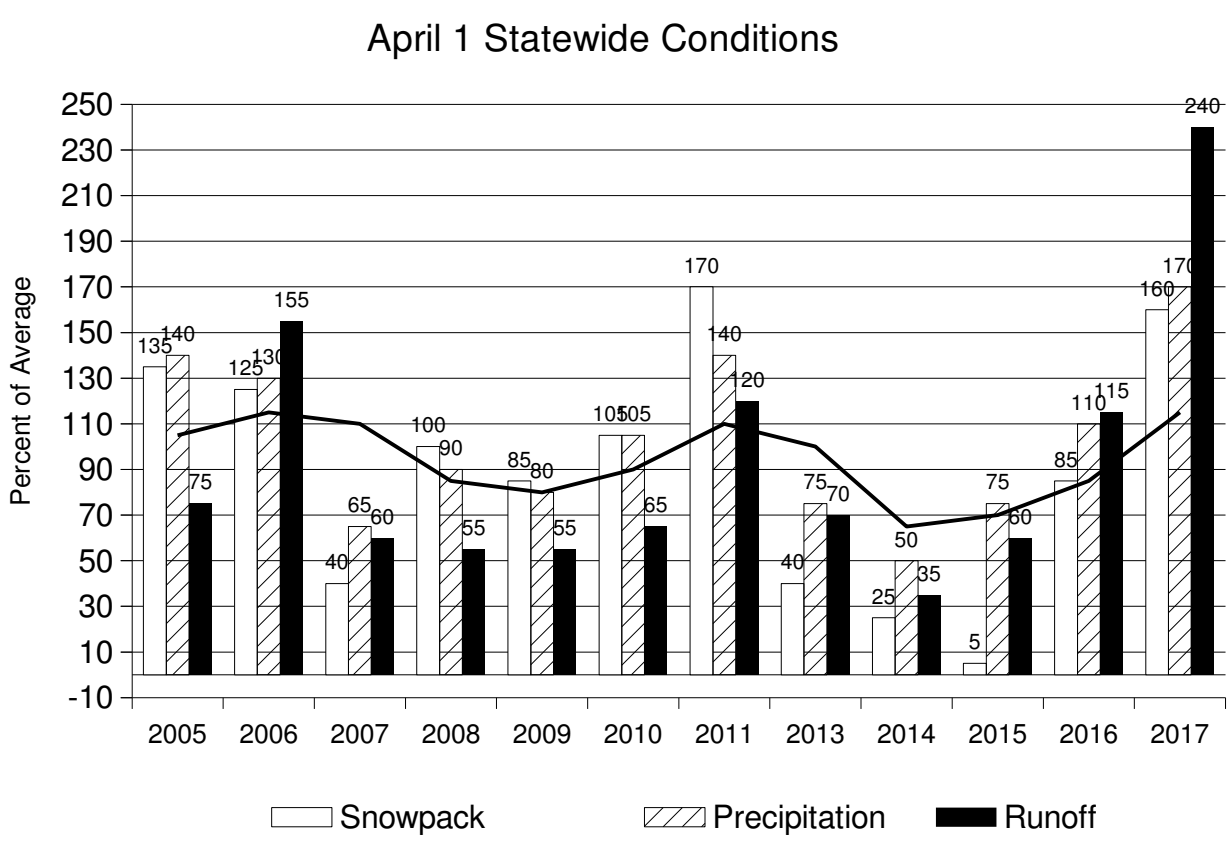
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT Apr 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150'	29.2	47.4	162.2	47.1	47.0
Red Rock Mountain	6700'	39.6	70.5	178.1	70.4	69.9
Bonanza King	6450'	40.5	—	—	—	—
Shimmy Lake	6400'	40.3	—	—	—	—
Middle Boulder 3	6200'	28.3	—	—	—	—
Highland Lakes	6030'	29.9	32.6	109.2	32.5	32.7
Scott Mountain	5900'	16.0	18.9	118.4	18.7	18.5
Mumbo Basin	5650'	22.4	30.2	135.0	30.5	30.4
Big Flat	5100'	15.8	23.2	146.6	23.2	23.3
Crowder Flat	5100'	—	0.0	—	0.0	0.0
SACRAMENTO RIVER						
Cedar Pass	7100'	18.1	21.5	118.8	21.4	20.1
Blacks Mountain	7050'	12.7	14.9	117.2	14.5	13.7
Sand Flat	6750'	42.4	45.1	106.4	45.1	44.0
Medicine Lake	6700'	32.6	40.8	125.1	40.1	39.0
Adin Mountain	6200'	13.6	19.3	141.9	19.1	18.6
Snow Mountain	5950'	27.0	45.2	167.6	45.2	42.8
Slate Creek	5700'	29.0	38.9	134.1	38.6	34.9
Stouts Meadow	5400'	36.0	39.6	110.0	39.5	39.0
FEATHER RIVER						
Lower Lassen Peak	8250'	—	—	—	—	—
Kettle Rock	7300'	25.5	44.0	172.7	42.8	44.8
Grizzly Ridge	6900'	29.7	40.9	137.8	40.8	40.6
Pilot Peak	6800'	52.6	68.5	130.3	68.8	67.8
Gold Lake	6750'	36.5	63.8	174.7	64.1	62.6
Humbug	6500'	28.0	50.9	181.7	50.9	49.9
Harkness Flat	6200'	28.5	30.7	107.8	31.2	30.6
Rattlesnake	6100'	14.0	29.3	209.1	29.6	29.5
Bucks Lake	5750'	44.7	50.9	113.8	50.9	49.1
Four Trees	5150'	20.0	—	—	—	20.2
EEL RIVER						
Hull Mountain	6461'	—	—	—	—	—
Noel Spring	5100'	—	0.0	—	0.0	0.3
YUBA & AMERICAN RIVERS						
Schneiders	8750'	34.5	75.6	219.1	75.6	75.3
Lake Lois	8600'	39.5	—	—	—	—
Carson Pass	8353'	—	56.7	—	56.4	55.9
Caples Lake	8000'	30.9	54.2	175.5	54.0	54.0
Alpha	7600'	35.9	53.4	148.7	53.2	52.9
Forni Ridge	7600'	37.0	66.0	178.4	66.4	64.7
Meadow Lake	7200'	55.5	—	—	—	—
Silver Lake	7100'	22.7	40.2	177.1	39.8	40.4
Central Sierra Snow Lab	6900'	33.6	70.4	209.5	71.2	69.8
Van Vleck	6700'	35.9	66.0	183.9	65.7	65.9
Huysink	6600'	42.6	49.2	115.5	49.3	47.3
Robinson Cow Camp	6480'	—	67.7	—	68.4	69.6
Robbs Saddle	5900'	21.4	26.8	125.2	26.6	27.0
Greek Store	5600'	21.0	31.4	149.7	31.4	31.8
Blue Canyon	5280'	9.0	14.5	160.7	15.3	17.6
Robbs Powerhouse	5150'	5.2	11.3	217.3	11.8	14.3
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250'	37.2	64.1	172.3	63.7	62.6
Highland Meadow	8700'	47.9	89.1	186.1	89.2	88.4
Gianelli Meadow	8400'	55.5	73.5	132.4	74.8	75.0
Lower Relief Valley	8100'	41.2	—	—	—	—
Blue Lakes	8000'	33.1	55.9	168.9	55.6	55.0
Stanislaus Meadow	7750'	47.5	75.1	158.1	75.1	74.5
Bloods Creek	7200'	35.5	40.7	114.6	40.6	41.4
Black Springs	6500'	32.0	35.3	110.2	35.3	33.4
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800'	27.7	47.5	171.3	47.6	46.9
Slide Canyon	9200'	41.1	77.0	187.3	77.0	72.7
Tuolumne Meadows	8600'	22.6	44.5	196.7	43.9	43.9
Horse Meadow	8400'	48.6	92.9	191.2	93.5	92.0
Ostrander Lake	8200'	34.8	—	—	—	—
Lake Tenaya	8150'	33.1	66.1	199.8	66.6	67.4
White Wolf	7900'	—	53.0	—	53.1	53.2
Paradise Meadow	7650'	41.3	—	—	—	—
Gin Flat	7050'	34.2	—	—	—	—
Lower Kibbie Ridge	6700'	27.4	24.5	89.4	24.7	25.7

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	55.7	185.0	56.0	55.9
Agnew Pass	9450’	32.3	55.5	171.7	55.0	55.8
Kaiser Point	9200’	37.8	68.2	180.3	68.4	67.2
Green Mountain	7900’	30.8	56.0	181.9	55.8	58.6
Devil’s Postpile	7569’	—	30.0	—	30.0	32.2
Tamarack Summit	7550’	30.5	44.3	145.2	44.6	45.0
Chilkoot Meadow	7150’	38.0	47.5	125.1	47.9	47.0
Huntington Lake	7000’	20.1	29.9	148.7	30.4	30.1
Poison Ridge	6900’	28.9	33.4	115.4	33.7	35.3
KINGS RIVER						
Bishop Pass	11200’	34.0	35.6	104.8	35.4	35.9
State Lakes	10300’	29.0	64.5	222.5	64.6	61.0
Mitchell Meadow	9900’	32.9	52.4	159.3	52.3	49.8
Upper Burnt Corral	9700’	34.6	55.7	161.0	56.0	57.0
West Woodchuck Meadow	9100’	32.8	63.6	194.1	63.9	64.1
Big Meadows	7600’	25.9	32.5	125.6	32.5	34.3
KAWEAH & TULE RIVERS						
Quaking Aspen	7200’	21.0	28.3	134.9	28.7	30.2
Giant Forest	6650’	10.0	8.5	85.3	9.0	10.2
KERN RIVER						
Chagoopa Plateau	10300’	21.8	50.1	229.6	50.1	48.9
Wet Meadows	8950’	30.3	52.5	173.2	52.2	52.3
Tunnel Guard Station	8900’	15.6	27.9	179.2	28.1	34.3
Casa Vieja Meadows	8300’	20.9	32.5	155.5	32.7	33.6
Beach Meadows	7650’	11.0	15.1	137.5	14.5	18.1
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	45.7	156.5	46.4	43.4
TRUCKEE RIVER						
Big Meadows	8700’	25.7	50.7	197.3	50.7	50.0
Independence Lake	8450’	41.4	76.9	185.7	76.9	75.4
Squaw Valley	8200’	46.5	79.2	170.3	80.3	78.6
Independence Camp	7000’	21.8	24.6	112.8	24.4	23.9
Independence Creek	6500’	12.7	16.1	126.8	16.0	16.3
Truckee 2	6400’	14.3	32.3	225.9	32.3	32.4
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	83.7	217.4	83.6	81.4
Heavenly Valley	8800’	28.1	52.8	187.9	52.4	52.4
Hagans Meadow	8000’	16.5	36.3	220.0	36.8	37.8
Marlette Lake	8000’	21.1	47.8	226.5	47.6	47.3
Echo Peak 5	7800’	39.5	74.4	188.4	74.5	72.5
Rubicon Peak 2	7500’	29.1	56.0	192.4	56.1	55.5
Tahoe City Cross	6750’	16.0	21.7	135.6	21.4	22.9
Ward Creek 3	6750’	39.4	64.0	162.4	64.6	63.5
Fallen Leaf Lake	6250’	7.0	4.3	61.4	4.7	7.6
CARSON RIVER						
Ebbetts Pass	8700’	38.8	74.2	191.2	74.1	73.7
Horse Meadow	8557’	—	42.3	—	42.7	43.7
Monitor Pass	8350’	—	32.1	—	32.1	31.6
Burnside Lake	8129’	—	45.3	—	45.2	45.5
Forestdale Creek	8017’	—	50.0	—	50.2	50.9
Poison Flat	7900’	16.2	45.0	277.8	45.0	45.5
Spratt Creek	6150’	4.5	0.0	0.0	0.0	1.4
WALKER RIVER						
Summit Meadow	9313’	—	48.7	—	48.3	47.5
Virginia Lakes	9300’	20.3	36.2	178.3	36.0	35.0
Lobdell Lake	9200’	17.3	37.7	217.9	37.6	36.4
Sonora Pass Bridge	8750’	26.0	50.4	193.8	49.7	50.2
Leavitt Meadows	7200’	8.0	17.0	212.5	16.9	18.9
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	44.2	139.3	44.3	43.8
Sawmill	10200’	19.4	33.2	171.1	33.1	32.7
Big Pine Creek	9800’	17.9	43.8	244.5	43.8	43.4
South Lake	9600’	16.0	34.1	213.0	34.4	34.2
Mammoth Pass	9300’	42.4	70.3	165.8	70.0	68.9

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



Registration is now open for the **85th annual Western Snow Conference** to be held in Boise, Idaho, April 17-20, 2017. We expect to have a full agenda of informative and interesting presentations related to snow hydrology, meteorological measurement techniques, and water resource management. This is a joint meeting with the Weather Modification Association. Meeting Information:

http://www.westernsnowconference.org/meetings/2017

Online Registration:www.regonline.com/westernsnowconference2017

The Conference will begin Monday, April 17th with a short course and panel discussion on "Tracing the Effects of Cloud Seeding through the Hydrologic Cycle". Tuesday and Wednesday will include formal paper and poster presentations on a variety of topics, including climate variability, climate change impacts on snow and runoff, water management, water supply forecasting, and modeling and climatology of snow. Thursday will include a technical tour of the nearby Boise River Basin.

Depicted on this months cover is the snow sensor at Slide Canyon in the far Northeast Section of Yosemite National Park at an elevation of 9200 feet. The photo was taken on April 4 by Toren Johnson with YNP. Since the photo was taken the site has gained an additional 7 inches of snow water equivalent. The top of the tower is 15 feet above the ground